

WHAT IS CLAIMED:

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1. A convection oven, comprising:
a cooking chamber, the cooking chamber having an adjustable airflow control surface, the adjustable airflow control surface creating a first airflow pattern within the cooking chamber; and
an actuator for adjusting the adjustable airflow control surface to create a second airflow pattern.
2. The convection oven of Claim 1 further comprising a second adjustable airflow control surface within the cooking chamber, the second adjustable airflow control surface adjustable between a plurality of positions.
3. The convection oven of Claim 1, further comprising:
a blower plenum in communication with the cooking chamber;
a removable inlet baffle positioned between the cooking chamber and the blower plenum, the inlet baffle having a first air return; and
a first reversible blower wheel mounted within the blower plenum and mounted with respect to the first air return.
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4. The convection oven of Claim 1 wherein the adjustable airflow control surface is mechanically actuated.

5. The convection oven of Claim 1 wherein the adjustable airflow control surface is electronically actuated.

6. The convection oven of Claim 1 wherein the adjustable airflow control surface is randomly adjustable between a plurality of positions.

7. The convection oven of Claim 1 wherein the adjustable airflow control surface is adjustable between a plurality of predetermined positions.

8. The convection oven of Claim 1 further comprising:
a heat exchange element mounted within the blower plenum and connected to a gas combustion system;

a header connected to the heat exchange element, the header in communication with the gas combustion system; and

an inducer connected to the header, the inducer having a valve moveable between an open position and a closed position.

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9. A convection oven, comprising:
 - a cooking chamber;
 - a blower plenum in communication with the cooking chamber; and
 - a first reversible blower wheel mounted within the blower plenum, the first reversible blower wheel creating multiple airflow patterns during a baking cycle.
10. The convection oven of Claim 9 further comprising a second reversible blower wheel mounted within the blower plenum.
11. The convection oven of Claim 10 wherein the first reversible blower wheel rotates at a speed different from a speed at which the second reversible blower wheel rotates.
12. The convection oven of Claim 10 wherein the first reversible blower wheel rotates in a direction different from a direction in which the second reversible blower wheel rotates.

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13. The convection oven of Claim 9 further comprising:
a gas combustion system mounted with respect to the blower plenum,
the gas combustion system generating combustion products;
a heat exchange element mounted within the blower plenum and
connected to the gas combustion system;
a header connected to the heat exchange element, the header in
communication with the gas combustion system; and
an inducer connected to the header, the inducer having a valve
moveable between an open position and a closed position.

14. The convection oven of Claim 13 wherein the first reversible
blower wheel and a second reversible blower wheel are mounted adjacent the heat
exchange element.

15. The convection oven of Claim 13 wherein the heat exchange
element comprises a plurality of heat exchange tubes, each heat exchange tube of the
plurality of heat exchange tubes has a baffle within at least a portion of a volume of
the heat exchange tube.

